

**ABSTRACT OF THE DISCLOSURE**

A sound pickup system includes a sound source tracking device that is operable to obtain distance and direction values of a target sound source relative to the sound source tracking device, and that determines nearest and farthest ones of a plurality of microphones in a microphone array relative to the target sound source with reference to determined distances of the sound source tracking device from the microphones, and the distance and direction values obtained by the sound source tracking device. A signal processing unit includes a delay calculator for determining appropriate time delays for the microphones with reference to information from the sound source tracking device, and a delay processor for processing signals generated by the microphones in the microphone array by introducing the corresponding time delays determined by the delay calculator into the signals from the microphones.